

**Aero Design Ltd.****Work Order Control Sheet**Work Order#: 2016-89 Date Opened: 24 June 2016 Title: FabricationAircraft OEM: Bell Aircraft Model: 206B/L/407 Product Type: Peg Step Product Model: N/A Quantity: 20/20/4**Work Order Contents**

Work Order/Build Sheets (Procedures Provided)  
 Additional Work Sheets (Standard Practice)  
 Drawings (See List Below)  
 Parts Distribution Sheet  
 Sub Component Tags  
 Completed Certification  
 Time Sheet (R&D)  
 Notes

Initial or N/A

JC
N/A
JC
JC
N/A
JC
N/A
N/A

**Build Sheet Contents**

Tasks Initialled  
 Dual Inspections Initialled

Initial or N/A

JC
JC

**Drawing List**

Drawing #	Rev #	Description	Initial or N/A
62340	1	Step Assembly	JC

**Traveller**

Initial or N/A


**Component Completion**

Quantity Complete on This Work Order  
 Quantity Incomplete on This Work Order  
 Further Processing Required Before Release  
 Release to Stock as Components

As Instructed

18/19/3
N/A
N/A
2/1/1

**Certification**

Form One Completed  
 Serviceable (Green) Tag Completed  
 In Process (Yellow) Tag Completed  
 Unserviceable (Red) Tag Completed  
 Parts Placed in Stores for Distribution

Initial or N/A

JC
JC
JC
N/A
JC

**Additional Documentation**

Documentation of a minor change  
 Non-Conformance Report Required  
 Service Difficulty Report Required

Initial or N/A

N/A
N/A
N/A

**Billing**

Local (Aero Design)  
 Research and Development  
 Third Party

Initial or N/A

JC
N/A
N/A

**Notes**

Quantity ordered: 20 of -01, 20 of -02, 4 of -03  
 Quantity complete: 18 of -01, 19 of -02, 3 of -03  
 2 of -01 used for other project as components  
~~1 of -02 used for demonstration as components~~  
~~1 of -03 used for demonstration as components~~

*JC* Returned, inspected  
*JC* Form One issued *JC*  
 25 Sept 2017

Work performed by:

Print: J. Clarke

Sign: *[Signature]*

SCA: AD02

Date: 30-May-17

ICC / Dual Inspection performed by:

Print: J. Rekve

Sign: *[Signature]*

SCA: AD01

Date: 30-May-17

Work Order closed by:

Print: J. Clarke

Sign: *[Signature]*

SCA: AD02

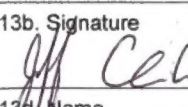
Date: 16-Aug-17

Approved Manufacturing Facility 73-04

Form 20.0 1/3

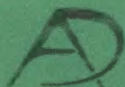
Rev. Original 23 Sep 2014

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2017-0315</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>
6. Item <b>1.</b>	7. Description <b>Peg Step</b>	8. Part Number <b>62340-01-01</b>	9. Qty. <b>18</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>16 Aug 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2017-0316</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>
6. Item <b>1.</b>	7. Description <b>Peg Step</b>	8. Part Number <b>62340-01-02</b>	9. Qty. <b>17</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release  <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
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13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>16 Aug 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
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1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. <b>AUTHORIZED RELEASE CERTIFICATE FORM ONE</b>			3. Form Tracking No. <b>2017-0317</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>	
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12. Remarks						
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13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>16 Aug 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)
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**Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: STRAP No. of pieces: 4Manufacturer: AERO DESIGN LTD.Part No.: 62340-03-01 Serial/Batch No.: NSNTTSN: N/A TSO: N/A Rem.: N/AWork Order No.: 2016-89Remaining Tasks to be Performed: NONESignature: JH Chu.Date: 16 AUG 2017 Lic. No. / SCA AD 02

Form# 20.E.02

Rev. 1 24 April 2014

Serviceable

**Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SOCKET CLAMP No. of pieces: 2Manufacturer: AERO DESIGN LTD.Part No.: 62340-02-01 Serial/Batch No.: NSNTTSN: N/A TSO: N/A Rem.: N/AWork Order No.: 2016-89Remaining Tasks to be Performed: NONESignature: JH Chu.Date: 16 AUG 2017 Lic. No. / SCA AD02

Form# 20.E.02

Rev. 1 24 April 2014

Serviceable

For AIRSPAN GROUND WHIPS.





**Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

**Remarks**

**Serviceable**

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**Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

**Remarks**

**Serviceable**

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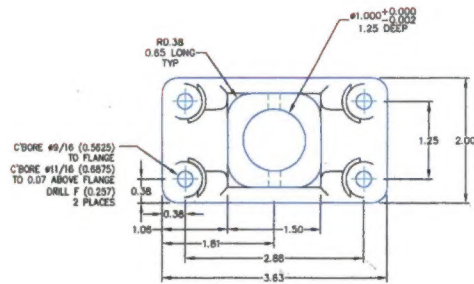
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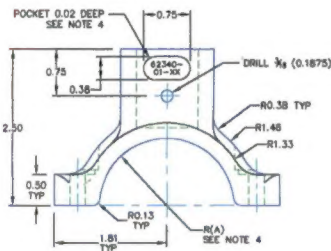
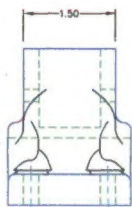
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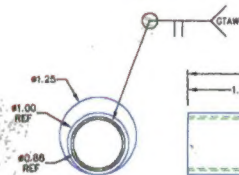
WO 2016-89



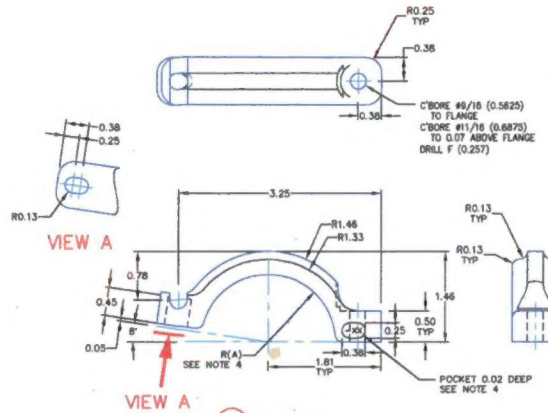
02 SOCKET CLAMP



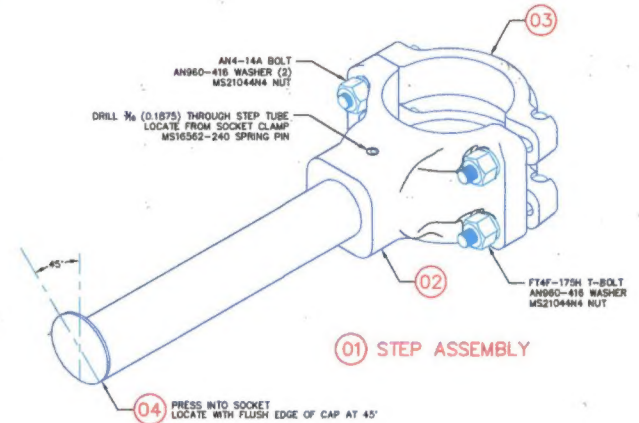
04 STEP TUBE



04 STEP TUBE



03 CLAMP



01 STEP ASSEMBLY

REV	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		

82 Pcs. x 2 per

20 407

20 206 3/2

4 206 4

44

#### NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. WELDING OF 304/321 STAINLESS STEEL TO BE COMPLETED BY GTAW METHOD TO AMS2085C. WELDING ROD SHALL CONFORM TO ER308L OR EQUIVALENT.
3. THOROUGHLY DEGRADE AND POWDER COAT AFTER ASSEMBLY. APPLY STRIP OF 3M SAFETY-WALK GRIP TAPE OR EQUIVALENT ON TOP SURFACE OF TUBE.
4. ENGRAVE TEXT 0.08 HIGH, 0.007 DEEP AS FOLLOWS:

DASH NO.	RADIUS
(XX)	R(A)
-01	1.08
-02	1.01

QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
1	MS16562-240	1	SPRING PIN			63/16 X 1.5 LONG
4	MS21044N4	4	NUT			
8	AN860-418	8	WASHER			
2	AN4-14A	2	BOLT			
1	FT4F-175H	1	T-BOLT			
1	62340-08	08	CAP	321 STAINLESS STEEL	AMS 5510	0.050 SHEET
1	62340-05	05	TUBE	304 STAINLESS STEEL	ASTM A213	0.875 X 0.035 RND. TUBE
1	62340-04	04	STEP TUBE	304 STAINLESS STEEL	ASTM A213	1.0 X 0.065 RND. TUBE
1	62340-03-XX	03	CLAMP	6061-T6 ALUMINUM	QQ-A-200/8	1.0 X 3.5 BAR
1	62340-02-XX	02	SOCKET CLAMP	6061-T6 ALUMINUM	QQ-A-200/8	2.5 X 2 BAR
1	62340-01-XX	01	STEP ASSEMBLY			

APPROVALS	DATE	SCALE	DWG. NO.	REV.
DRAWN: JEFF CLARKE	26 APR 2010	1:1	A1	0
CHECKED: E. BURCOIN				

**AERO DESIGN LTD.**  
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 090M  
8015 - 30TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2C 0B7  
Tel: (403) 850-8887 Fax: (403) 850-8888 www.aerodesign.ca

**BELL 206L SERIES & 407**  
AUXILIARY STEP  
FABRICATION

SCALE	DWG. NO.	REV.
1:1	A1	0

206/407 PEG STEPS 26 Apr 2006  
4x2 e 5 1/2 222122025  
2 more  
3 1/2 x 1 e 3 3/4 2442440 50 2006  
for 800  
3/4 cut off corners



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Cap No. of pieces: 44

Manufacturer: Aero Design Ltd

Part No.: 62340-06 Serial/Batch No.: 3021

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: Weld on step tube,  
clean up

Signature: [Signature]

Date: Dec 12<sup>th</sup>/2016 Lic. No. / SCA AD-07

In Process





## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

**Remarks**

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## Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SOCKET CLAMP (-01) No. of pieces: 20

Manufacturer: AERO DESIGN LTD.

Part No.: 62340-02-01 Serial/Batch No.: PO 16058

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: DEBURR, INSPECT

Signature: [Signature]

Date: 15 DEC 2016 Lic. No. / SCA A002

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

-2 Completed for Ass'y + Powder Coat 29/01/17 JC.



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Socket CLAMP (-02) No. of pieces: 20

Manufacturer: AERO DESIGN LTD

Part No.: 62340-02-02 Serial/Batch No.: P016058

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: DEBurr, INSPECT

Signature: ///CRL

Date: 15 DEC 2016 Lic. No. / SCA A002

In Process





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

### Remarks

-2 Completed for Assy + Powder Coat 29/01/17 JK

1 REMOVED FOR POSS NON-CONFORMING HOLE 29/03/17 HK



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: SOCKET CLAMP (-03) No. of pieces: 4

Manufacturer: AERO DESIGN LTD

Part No.: 62340-02-03 Serial/Batch No.: PO 16058

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: DEBURR, INSPECT

Signature: [Signature]

Date: 15 DEC 2016 Lic. No. / SCA AD02

In Process



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

AMF 73-04

**In Process**

### Remarks

-2 Completed for Ass'y + Powder Coat 29/01/17 JC.





## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Socket CLAMP No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 62340-02-02 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-59

Remaining Tasks to be Performed: ASSEMBLY

Signature: [Signature]

Date: 25 AUG 25 SEPT 2017 Lic. No. / SCA ADD2

Serviceable



## **Aero Design Ltd.**

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**Serviceable**

**Remarks**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: STRAP No. of pieces: + 2 pc.

Manufacturer: AERO DESIGN LTD.

Part No.: 6.2340-03-02 Serial/Batch No.: NSN

TTSN: N/A TSO: MA Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: ASSEMBLY

Signature: J. J. C. L.

Date: 16 AUG 2017 Lic. No. / SCA A002





## **Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**Serviceable**

**Remarks**

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9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Socket CLAMP No. of pieces: 1

Manufacturer: AERO DESIGN LTD.

Part No.: 62340-02-03 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-59

Remaining Tasks to be Performed: ASSEMBLY

Signature: JH/CEL.

Date: 16 AUG 2017 Lic. No. / SCA 4002



## **Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

### **Remarks**

**Serviceable**

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## Aero Design Ltd.

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: STRAP No. of pieces: + 2 pc.

Manufacturer: AERO DESIGN LTD.

Part No.: 62340-03-03 Serial/Batch No.: NSN

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: ASSEMBLY

Signature: Jff Cel.

Date: 16 AUG 2017 Lic. No. / SCA AD02

Serviceable



## **Aero Design Ltd.**

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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

**Serviceable**

### **Remarks**

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## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Step tube No. of pieces: 44

Manufacturer: Aero Design Ltd.

Part No.: 62340-04 Serial No.: NA

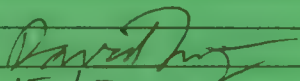
TTSN: NA TSO: NA Rem.: NA

Work Order No.: 2016-89

Remaining Tasks to be Performed: Install on base

\_\_\_\_\_

\_\_\_\_\_

Signature: 

Date: Dec 15 / 2016 Lic. No. / SCA AD 73-04 05

Form# 20.E.02 Rev. 1 24 April 2014

Serviceable



## Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Serviceable

Remarks

-b-Removed for Ass'y 29/01/17 JC





# Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: Step tube No. of pieces: 44

Manufacturer: Aero Design Ltd

Part No.: 62340-04 Serial/Batch No.: 14103/15073/13077

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2016-89

Remaining Tasks to be Performed: Weld caps on, weld tube  
in, clean up, install on base

Signature: [Signature]

Date: Dec 12<sup>th</sup>/2016 Lic. No. / SCA AD-07

In Process



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Phone: 604-483-2376 Fax: 604-483-2372 E-mail: [info@aerodesign.ca](mailto:info@aerodesign.ca)

**AMF 73-04**

### **Remarks**

**In Process**

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1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0250</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>
6. Item <b>1.</b>	7. Description <b>Peg Step Assembly</b>	8. Part Number <b>62340-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature 		13c. Approved Organization Number <b>AD 73-04 02 AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>30 June 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

**ROTORWAYS S.A.**



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Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013



1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. <b>2017-0210</b>	
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>	
6. Item <b>1.</b>	7. Description <b>Peg Step Assembly</b>	8. Part Number <b>62340-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>N/A</b>	11. Status/Work <b>New</b>	
12. Remarks						
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.				14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the <del>Canadian Aviation Regulations</del> .		
13b. Signature  <b>AD 73-01 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature		14c. Approved Organization Number
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>25 May 2017</b>		14d. Name		14e. Date (dd/mmm/yyyy)
<p style="text-align: center;"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>						

**HILLCREST AIRCRAFT**

## Aero Design

### Parts Distribution Sheet

Description: Bell 407 Pilot Peg Step Assembly

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[illegible]

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2017-0365</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>
6. Item <b>1.</b>	7. Description <b>Peg Step</b>	8. Part Number <b>62340-01-02</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>25 Sep 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

1. Approving Civil Aviation Authority/Country <b>Transport Canada</b>		2. AUTHORIZED RELEASE CERTIFICATE <b>FORM ONE</b>			3. Form Tracking No. <b>2017-0366</b>
4. Organization Name and Address <b>AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3</b>					5. Work Order/Contract/Invoice <b>WO 2016-89</b>
6. Item <b>1.</b>	7. Description <b>Peg Step</b>	8. Part Number <b>62340-01-03</b>	9. Qty. <b>1</b>	10. Serial/Batch No. <b>NSN</b>	11. Status/Work <b>New</b>
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to:  <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation.  <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12  Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  <b>AD 73-04 02</b>		13c. Approved Organization Number <b>AMF 73-04</b>		14b. Signature	
13d. Name <b>Jeff Clarke - AD02</b>		13e. Date (dd/mmm/yyyy) <b>25 Sep 2017</b>		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center"><b>Installer Responsibilities</b></p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					





# PEG STEP FABRICATION – 62340

## General

These instructions apply to Peg Step 62340-01-XX for Bell 206B/L/407. Refer to the following drawings, at the current revision, for dimensions and details:

62340, Revision 1 – Peg Step Fabrication

Work Order: 2016-89

Batch Quantity: -01 20 -02 20 -03 4 Complete  
(initial or SCA #)

Date Open: 24 JUNE 2016

## SOCKET

### 1. Stock Preparation

- Cut 2 x 4 6061 Aluminum material to 5.5" long. (1 piece makes 2 sockets)
- Record material PO on attached material list.
- De-burr cut ends.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

-01	-02	-03
AD	AD	AD
73-04	73-04	73-04
07	07	07

### 2. CNC Machining – Socket

- Run CNC programs 62320 thru 62325 to machine sockets.
  - Ensure correct subprograms are call for each radius
  - Setup for step 1 and 2 on left vise. Setup for step 3 on right vise.
  - Deburr long edge between step 2 and 3.
- Tag in-progress parts and place on in-progress shelf in machine shop for deburring.

AD	AD	AD
73-04	73-04	73-04
02	02	02

### 3. Deburring – Socket

- Deburr all edges on buffing wheel.
- Deburr spring pin hole.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

AD	AD	AD
73-04	73-04	73-04
01	01	01

### 4. CNC Machining – Socket

- Run CNC programs 62326 and 62327 to machine sockets.
  - Setup on both vises using appropriate vise jaws.
- Tag in-progress parts and place on in-progress shelf in machine shop for deburring.

AD	AD	AD
73-04	73-04	73-04
02	02	02

### 5. Deburring – Socket

- Deburr holes and counter bores.
- Tag in-progress parts and place on in-progress shelf in machine shop for assembly.

AD	AD	AD
73-04	73-04	73-04
01	01	01



**STRAP**

## 6. Stock Preparation

- Cut 3.5 x 1 6061 Aluminum material to 3.75" long. (1 piece makes 2 straps)
- Record material PO on attached material list.
- De-burr cut ends.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

-01 AD	-02 AD	-03 AD
73-04	73-04	73-04
01	01	01

## 7. CNC Machining

- Run CNC programs 62310 thru 62314 to machine straps.
  - Ensure correct subprograms are call for each radius
  - Setup for on both vises.
- Tag in-progress parts and place on in-progress shelf in machine shop for trimming.

AD	AD	AD
73-04	73-04	73-04
02	02	02

## 8. Trimming

- Cut excess corners off stock using vertical bandsaw.
- Deburr part number pocket on buffing wheel.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

AD	AD	AD
73-04	73-04	73-04
01	01	01

## 9. CNC Machining

- Run CNC programs 62315 thru 62318 and 62337 to machine straps.
  - Setup on both vises using jigs.
- Tag in-progress parts and place on in-progress shelf in machine shop for deburring.

AD	AD	AD
73-04	73-04	73-04
02	02	02

## 10. Deburring

- Deburr outside edges.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

AD	AD	AD
73-04	73-04	73-04
02	02	02

## 11. CNC Machining

- Run CNC program 62319 to machine counterbore, hole and slot.
  - Deburr slot before loading for opposite side
- Tag in-progress parts and place on in-progress shelf in machine shop for cutting.

AD	AD	AD
73-04	73-04	73-04
02	02	02

## 12. Cutting

- Strap pairs apart using vertical bandsaw.
- Tag in-progress parts and place on in-progress shelf in machine shop for CNC machining.

AD	AD	AD
73-04	73-04	73-04
01	01	01

## 13. CNC Machining

- Run CNC programs 78610 and 78617 to clean cut faces of straps.
- Tag in-progress parts and place on in-progress shelf in machine shop for deburring.

AD	AD	AD
73-04	73-04	73-04
02	02	02

## 14. Deburring

- Deburr all edges.
- Tag in-progress parts and place on in-progress shelf in machine shop for powder coating.

AD	AD	AD
73-04	73-04	73-04
02	02	02

PEG TUBE

73-04

01

## 15. Stock Preparation

- Cut 1.0 x 0.065 304 Stainless Steel tube to 7.25" long.
- Cut 7/8 x 0.035 304 Stainless Steel tube to 1.75" long.
- Punch 1.25" diameter caps from 0.050 Stainless Steel sheet. Flatten dimple with a hammer on a steel table.
- Record material POs on attached material list.
- De-burr cut ends.
- Tag in-progress parts and place on in-progress shelf in welding shop for welding.

## 16. Welding

- Fuse weld 62340-05 tube into 62340-04 tube two places per down tube. Polish outside diameter flush.
- TIG weld 62340-06 cap onto 62340-04 tubes using ER308L rod. Ensure cap is aligned as shown on drawing. Polish welds.
- Record component and welding rod POs / WOs on attached material list.
- Tag completed step tube for further assembly.

ASSEMBLY

## 17. Assembly

- Press 62340-04 Step Tube into 62340-02 Socket. Note orientation of Step Tube is 45° to Socket, see drawing. Ensure Step Tube is fully seated down into Socket.
- Support end of Step Tube on 1/2" block, drill through 3/16" holes in socket on drill press.
- Insert 3/16" spring pin into socket.
- Record hardware POs.
- Tag in-progress parts and place on in-progress shelf in machine shop for Final Inspection.

## 18. Final Inspection

To be completed by a different person than the previous steps.

- Inspect Socket Assembly and Straps for conformity to drawing.
- Tag in-progress parts ready for powder coating.

## 19. Powder Coating

- Parts are to be powder coated in accordance with commercial practices.
- Record powder coating PO.
- Inspect powder coating on receiving.
- Tag in-progress parts ready for final assembly.

## 20. Final Assembly

To be completed after powder coating.

- Insert hardware and finger tighten. Record hardware POs.
- Adhere grip tap to top surface of step, align to cap.
- Green tag completed Step assemblies and place into stock.

-01 73-04 02	-02 73-04 02	-03 73-04 02
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*hen* *hen* *hen*

AD 73-04 02	AD 73-04 02	AD 73-04 02
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AD 73-04 02	AD 73-04 02	AD 73-04 02
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